

**STATEMENT OF BASIS  
McMoRan Oil & Gas LLC  
State Lease 17357 Production Facility 1  
LPDES Permit No. LA0122688  
AI No. 143288**

For the Issuance of Territorial Subcategory of the Oil and Gas Extraction Point Source Category LPDES Water Discharge Permits.

**THE PERMITTEES ARE:** **McMoRan Oil & Gas LLC - State Lease 17357 Production Facility 1** involved with the exploration, development, and production of oil and gas within territorial subcategory locations of the State of Louisiana.

**ISSUING OFFICE:** Louisiana Department of Environmental Quality (LDEQ)  
Office of Environmental Services  
Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

**PREPARED BY:** Gene Jarreau

**DATE PREPARED:** February 12, 2007

**1. PERMIT STATUS**

- A. Reason For Permit Action:  
First Time Issuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.
- B. NPDES permit effective date: N/A  
NPDES permit expiration date: N/A  
EPA has not retained enforcement authority.
- C. LPDES permit: N/A  
LPDES permit effective date: N/A  
LPDES permit expiration date: N/A
- D. Date Application Received: August 24, 2006

**2. FACILITY INFORMATION**

- A. FACILITY TYPE/ACTIVITY - Oil and Gas Exploration, Development, and Production Operations

McMoRan Oil & Gas LLC - State Lease 17357 Production Facility 1 is an oil and gas exploration, development, and production facility.

- B. FEE RATE

- 1. Fee Rating Facility Type: minor
- 2. Complexity Type: III, BPJ from 20 points to 10 points to be closer to the fee for coverage under the general permit, LAG260000
- 3. Wastewater Type: III
- 4. SIC Code: 1311

McMoRan Oil & Gas LLC  
Draft Permit No. LA0122688  
AI No. 143288  
Page 2 of 4

- C. LOCATIONS - State Lease 17357 Production Facility 1, Grand Isle Block 18 Field, 7.7 miles southeast of Grand Isle, Jefferson Parish

Latitude: 29° 09' 19.9" Longitude: 89° 54' 17.2"

**3. OUTFALL INFORMATION**

See Appendix A.

**4. RECEIVING WATER**

Stream – Gulf of Mexico

Basin and Subsegment – Barataria, 021102

Designated Uses -

- a. primary contact recreation
- b. secondary contact recreation
- c. fish and wildlife propagation
- d. oyster propagation

**5. PROPOSED EFFLUENT LIMITS**

See Appendix A.

**6. COMPLIANCE HISTORY/COMMENTS**

A file review disclosed that no actions have been issued to McMoRan Oil & Gas LLC - State Lease 17357 Production Facility 1.

**7. 303(d)/TMDL WATERBODIES**

Subsegment 021102, Barataria Basin Coastal Bays and Gulf Waters to the State three-mile limit, is not listed on LDEQ's Final 2004 303(d) list as impaired. However, subsegment 021102 was previously listed as impaired for mercury, for which the below TMDL has been developed. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional TMDL's and/or water quality studies. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards.

The following TMDL has been established for subsegment 021102:

Mercury TMDL for Gulf Bays and Coastal Waters-July 8, 2005

All currently effective Louisiana Mercury TMDL's state that while there are many potential sources of mercury to waters of the State of Louisiana, over 99% of the pollutant load comes from the atmospheric deposition of mercury from global and local sources. There is no current data available that indicates mercury would be expected in discharges from oil and gas operations. It is noted that spent drilling muds from oil and gas wells do possess the reasonable potential to contain mercury (which would result in the introduction of mercury to the environment). However, LDEQ has

McMoRan Oil & Gas LLC  
Draft Permit No. LA0122688  
AJ No. 143288  
Page 3 of 4

prohibited the discharge of spent drilling muds into waters of the State of Louisiana. Since LDEQ has taken steps to prevent the discharge of mercury at levels at or above water quality standards from oil and gas facilities, and given that current Louisiana Mercury TMDL's do not indicate mercury is discharged from the operation of oil and gas facilities, mercury requirements will not be placed in this permit.

#### **8. ENDANGERED SPECIES**

The receiving waterbody, Subsegment 021102 of the Barataria Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated September 29, 2006 from Watson (FWS) to Brown (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

#### **9. HISTORIC SITES**

The LDEQ shall notify the LSHPO of the receipt of individual permit applications for proposed facilities when associated oil or gas related activities are to be planned on inland wetlands areas.

#### **10. TENTATIVE DETERMINATION**

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for discharges described in the proposed effluent attachment.

#### **11. PUBLIC NOTICES**

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the proposed issuance of LPDES individual permits and may request a public hearing to clarify issues involved. This Office's address is on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

The local newspaper of general circulation and

The Office of Environmental Services Public Notice Mailing List.

McMoRan Oil & Gas LLC  
Draft Permit No. LA0122688  
AI No. 143288  
Page 4 of 4

### **Rationale for McMoRan Oil & Gas LLC, State Lease 17357 Production Facility 1**

Outfall locations will vary from site to site. See Appendix A for pollutant type, limitations and monitoring frequencies.

#### **Limits Justification and References**

Limits are based upon 40 CFR 435 Subpart A - Territorial Subcategory, Final NPDES General Permit for the Territorial Waters of Louisiana (LAG260000), Louisiana Water Discharge Permit System individual permits, and Best Professional Judgment.

#### **Storm Water Pollution Prevention Plan (SWP3) Requirement**

In accordance with LAC 33:IX.2511.C.1.c, the operator must prepare and implement a Storm Water Pollution Prevention Plan (SWPPP) if there has been a release of reportable quantity of oil or hazardous substance in stormwater at the facility since November 16, 1987. Reportable Quantity spill is defined at 40 CFR 110.3 as discharges of oil that "Cause a film or sheen upon or discoloration of the surface of the water."

The SWP3 shall be prepared, implemented, and maintained within 60 calendar days of the effective date of this permit if a discharge of a reportable quantity of oil or a hazardous substance has occurred on or before this date, or within 60 calendar days after the first knowledge of a discharge of a reportable quantity of oil or a hazardous substance. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in storm water discharges associated with industrial activity at the facility (see STORMWATER DISCHARGES in Part II of the Draft Permit).